

STL10351

SELF-REGULATING LUBRICATION OF RAMPS FOR DISC DRIVES

Abstract of the Disclosure

A ramp molded from a compound formulation of essentially a polymer and a liquid. The liquid is one that is chemically incompatible with the polymer, and is distributed in the polymer in the form of droplets. The lower surface tension of the liquid drives the droplets to the ramp surfaces until an equilibrium thickness of the liquid is achieved on the ramp surfaces.